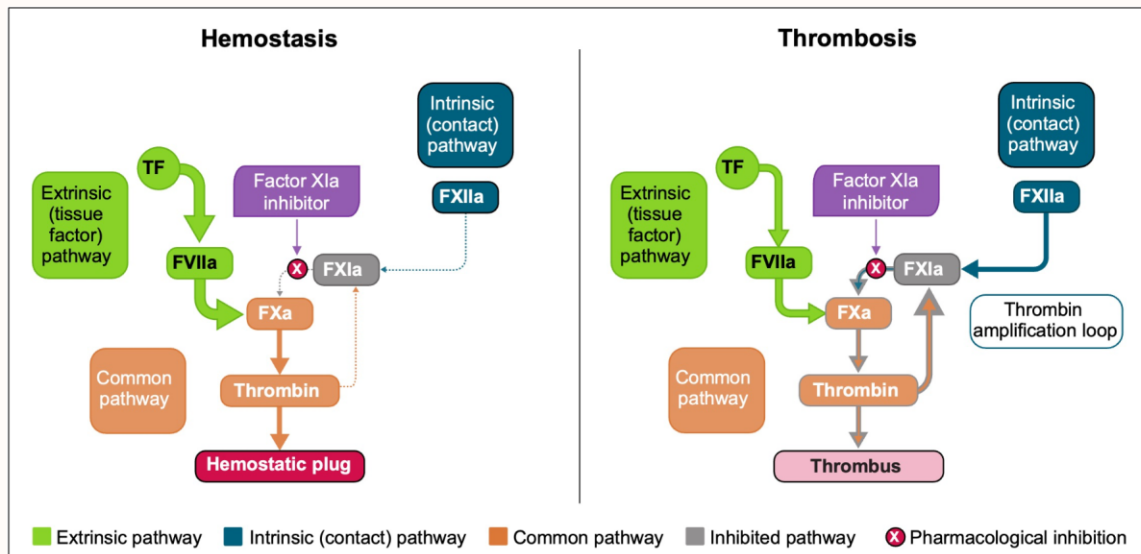


## Secondary Stroke Prevention: Major unmet needs

- ~12 million strokes occur worldwide each year
- After ischemic stroke, recurrence affects ~1 in 10 survivors within 1 year and ~1 in 5 within 5 years
- Current secondary prevention strategies have only modestly reduced recurrence rates
- Bleeding risk with antiplatelet therapy complicates prevention in non-cardioembolic ischemic stroke and TIA
- The risk of secondary stroke immediately after a non-cardioembolic ischemic stroke/TIA remains unacceptably high, and persists for years afterwards, even with available secondary stroke prevention strategies
- There is a major unmet need for safer, more targeted antithrombotic therapies
- Mendelian randomization studies suggest genetically lower FXI levels are linked to lower ischemic stroke risk without increased major bleeding
- By inhibiting FXIa there is a potential to uncouple pathological thrombosis from hemostasis.

## Emerging New Paradigm: Factor XIa Inhibition in combination with antiplatelet therapy

Factor XIa inhibitors: uncouple hemostasis from thrombosis by preventing pathological thrombus formation without significant increase in major bleeding.

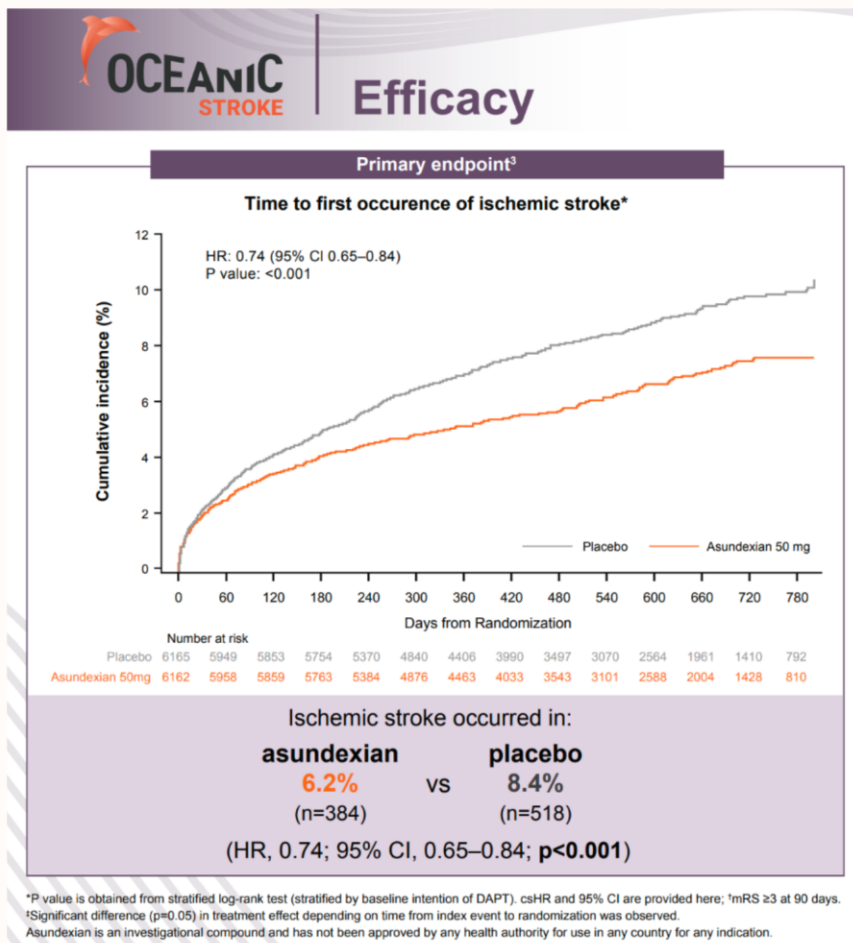


- Pathological thrombus growth occurs through activation of FXI to FXIa via thrombin and a positive feedback loop.
- FXIa role for hemostasis and formation of a hemostatic plug is minor due to being part of the intrinsic pathway.
- This mechanism applies irrespective of underlying atherosclerosis.

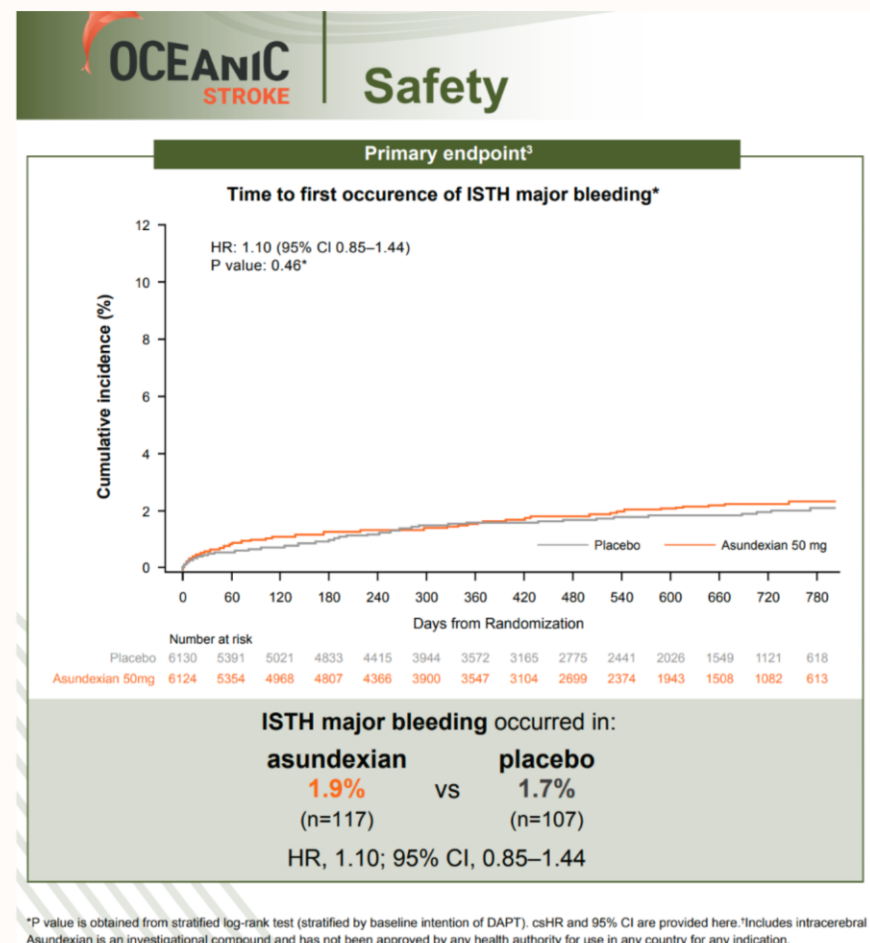
- Preclinical evidence & 2 Phase II studies indicate that FXIa inhibitors have the potential to prevent ischemic stroke without meaningful increase in bleeding.
- Asundexian (PACIFIC-STROKE) and milvexian (AXIOMATIC-SSP) were associated with numerically fewer ischemic strokes vs placebo.
- No increase in major bleeding with asundexian or milvexian vs placebo in combination with antiplatelet therapy.

## Phase 3 studies: OCEANIC-STROKE and LIBREXIA-STROKE

There are two Phase III clinical trials investigating FXIa inhibition in combination with APT after non-cardioembolic ischemic stroke or TIA in secondary stroke prevention, OCEANIC-STROKE demonstrating superiority to placebo, and ongoing LIBREXIA-STROKE.



- Asundexian 50 mg significantly reduced ischemic stroke by 26% (HR 0.74, 95% CI 0.65–0.84, P<0.001).
- A primary outcome event of ischemic stroke occurred in 384 (6.2%) patients assigned to asundexian and 518 (8.4%) patients assigned to placebo.
- Asundexian 50 mg once-daily in combination with antiplatelet therapy provided early, sustained, and consistent benefit across prespecified subgroups.



- There was no significant increase in the risk of ISTH major bleeding compared to placebo.
- Asundexian 50 mg once daily, in combination with antiplatelet therapy had similar rates of bleeding vs placebo across all secondary safety endpoints.